

VOYTENKO, I.S., inzh.

Construction of a tunnel under the Kiel Canal (from "Engineer,"
no.5529, 1962). Transp. stroi. 12 no.12:55 D '62. (MIRA 16:1)
(Rendsburg, Germany--Tunneling)

VOYTENKO, I.S., inzh.

Vehicular tunnel in Boston (from "Civil Engineering and Public Works Review" no. 664, 1961). Transp. stroi. 12 no.11:58-59 N '62.
(MIRA 15:12)

(Boston, United States—Tunneling)

VOYTENKO, I. S., inzh.

England's biggest dragline (from "Mining Equipment," no. 11,
1961). Ugol' 37 no. 10:57 0 '62. (MIRA 15:10)

(Great Britain—Excavating machinery)

VOYTENKO, I. Ya.

COUNTRY : USSR R
CATEGORY : Diseases of Farm Animals. Diseases Caused by Helminths
ABS. JOUR. : RZhBiol., No. 6 1959, No. 26016
AUTHOR : Palimpsestov, M. A.; Goncharov, A. P.; Voytenko*
INST. : - Khar'kov Vet. Inst.
TITLE : Effectiveness of Sulfanilamide Preparations in Dictyocaulosis of Sheep
CRIG. PUB. : Veterinariya, 1959³⁵ No 4, 36-41
ABSTRACT : The study of the effectiveness of sulfanilamide preparations was conducted on 206 coarse-wool sheep of various ages, chiefly 7-8 months old. The aqueous solution of norsulfazol [sulfathiazole] (I) is an effective anthelmintic agent. The administration of 3-5% of the solution of I
*I. Ya.
CARD: 1/2

37

IVANOVA, A.N.; KHABAROVA, T.N.; VOYTENKO, K.M.

Basis of the stratigraphic subdivisions of the Jurassic and
Cretaceous of Saratov Province (Volga Valley portion of Saratov
Province and the northwestern part of the Caspian Lowland).
Trudy VNIGNI no.29:72-84 '61. (MIRA 14:7)
(Saratov Province--Geology, Stratigraphic)

VOYTENKO, L.N.

"Ukrainian-Polish relations in medicine [in Ukrainian] by I.U.U.
Rafes. Reviewed by L.N.Voitenko. Sov.zdrav. 21 78-80 '62.
(MIRA 15:8)

(UKRAINE--MEDICINE) (POLAND--MEDICINE)

LITUNOVSKAYA, M.; VOYENKO, L.P., red.; TYURYAYEV, M.A., tekhn.red.

[Budget and the economic and cultural development of the
Kirghiz S.S.R.] Biudzhet i khoziaistvenno-kul'turnoe raz-
vitiye Kirgizskoi SSR. Frunze, Kirgizskoe gos.izd-vo, 1958.
48 p. (MIRA 12:8)

(Kirghizistan--Budget)

68334

5.13105-(4)
AUTHORS:Manzheley, M. Ye., Voytenko, L. V.S/076/60/034/01/003/044
B010/B014

TITLE:

Electroreduction of Acrylic Acid

PERIODICAL:

Zhurnal fizicheskoy khimii, 1960, Vol 34, Nr 1, pp 27 - 31 (USSR)

ABSTRACT:

Electroreduction of acrylic acid on cathodes of pure platinized platinum as well as on a gradually thicker deposition of mercury on the cathode was investigated in the present paper. The cathode potential (with Luggin's capillary) was measured with increasing polarizing current and simultaneously the volume of the hydrogen formed. Besides, charge curves were drawn (Refs 3 and 4), and hydrogenation was observed in the adsorbed hydrogen layer (Ref 5). The electrode production, the drawing of charge curves, and the calculation of the actual surface were carried out by a method elaborated by A. I. Shlygin and A. N. Frumkin. 0.1 N H_2SO_4 solution purified by means of electrolysis was used as an electrolyte. Figure 1 shows the results of hydrogenation in the adsorbed hydrogen layer. Hence it may be seen that acrylic acid reacts with the adsorbed hydrogen both on pure platinized platinum and on platinum partly covered with

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Electroreduction of Acrylic Acid

S/076/60/034/01/003/044
B010/B014

mercury. In the latter case the reaction is slower (Fig 2 and Table). If about 35% of the electrode surface is covered with mercury, the electroreduction ceases. As may be seen from the charge curves, the ability of the electrode to adsorb hydrogen changes consequently. In the case of a thicker deposition of mercury on the electrode (up to 200%, 400%) it acts like a mercury electrode (Fig 3). It was found that electroreduction may take place both on platinized platinum and on mercury, however, only with potentials which differ by more than 1 v. Further experiments with addition of atomic arsenic obtained by reduction of $HAsO_2$ furnished the following results: Admixtures

of arsenic caused a considerable deceleration of the reduction process on the platinized platinum cathode. With a 2% deposition the electrode was completely poisoned. On the basis of experimental data and considering data of publications the following mechanism of electroreduction of α , β -unsaturated acids may be assumed: On a cathode of platinized platinum, reduction is brought about by adsorbed hydrogen atoms under the catalytic action of the cathode surface on the adsorbed acrylic acid molecules. On a mercury cathode, reduction may take place due

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Electroreduction of Acrylic Acid

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to a direct addition of cathode electrons to the strongly polarized molecule, in which the β -carbon atom may be an electron acceptor. A reduction scheme is suggested. E. Razumovskaya, K. I. Rozental', and Z. A. Iofa are mentioned in this paper. There are 3 figures, 1 table, and 13 references, 12 of which are Soviet.

ASSOCIATION: Kishinevskiy gosudarstvennyy universitet (Kishinev State University)

SUBMITTED: March 17, 1958

Card 3/3

VOYTENKO, M.A., aspirant

Conjugated T_1 -pairs in P_4 -space. Trudy MIIT no.190:45-54 '65.

Unilateral stratification of three-parameter families of manifolds
in P_4 -space. Ibid.:55-68

(MIRA 18:8)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1

VOYTENKO, M.F., prof., pilot avnik meditsinskoy sluzhby

~~On the extent of medical aid at medical service battalions and special motorized detachments. Voen.-med. zhur. no.11: 11-16 '64.~~

(MIRA 18:5)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1"

VOYTENKO, M.F., doktor med.nauk, polkovnik meditsinskoy sluzhby; YEVLANOV, L.S.,
dovsent, polkovnik meditsinskoy sluzhby

Terminology in military medicine. Voen.med.zhur. no.5:7-11
My '59. (MIRA 12:8)

(MEDICINE, MILITARY AND NAVAL,
military med. terminol. (Rus))
(NOMENCLATURE,
same)

Ca

15

Experiments on the control of *Aaspera castanea* Arr.
M. P. Vorontsova. Sovet. Natsirobiti 1939, No. 7, 42-3.
М. П. Воронцова. Совет. Насекомояд. 1939, II, 2379. The most effective agents for the control of the psyllid were *Acryphonemone* (a camphor-methyl) and *Pediasia tritici*, which were mixed with the material used to band the trees. Penetrants were less effective. M. G. Moore.

AGRICULTURAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1"

VOYTENKO, N.

Aromatic extract. Obshchestv.pit. no.9:38 S '63. (MIRA 16:12)

1. Upravlyayushchiy Ukrdorrestoranom, Kiyev.

VOYTEMKO, N.

Introduce the use of frozen cooked meals in restaurants. Obshchestv.
pit. no.8:21 Ag '62. (MIRA 16:10)

VOYENKO, Nikolay Nikolayevich [Voitenko, M.M.]; SHEMYAKINSKIY,
Aleksey Stepanovich [Shemiakins'kiy, O.S.]; DEREVETS, S.K.,
red.; SHAFETA, S.M., tekhn. red.

[Salads] Salaty. Derzh.vyd-vo tekhn.lit-ry URSR, 1962. 377 p.
(MIRA 15:8)
(Salads)

VOYTENKO, N. V.

VOYTENKO, N. V. "On the effect of aeration on the absorptive power of the root systems of plants", Sbornik nauch.-issled. rabot (Azovo-Chernomor. s.-k. in-t), XII, 1948, p. 24-36, - Bibliog: 12 items.

SO: U-4393, 19 August 53, (Leto:is 'Zhurnal 'nykh Statey', No. 22, 1949).

VOYTENKO, N.V.

USSR/Cultivated Plants - Grains

M-4

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1510

Author : P.S. Buntovaya, N.V. Voytenko, G.V. Zhukov, A.I. Milovzorov,
F.A. Mironchenko, D.D. Mishustin, Ya.Kh. Khairullin

Inst : Not Given

Title : Experiments with Corn

Orig Pub : Sb. nauchn.-issled. rabot. Azovo-Chernomor, c.-kh. in-t,
1956, 14, 5-18

Abstract : In 1955 there was a study of methods of harvesting corn in the Rostovskaya and Kamenskaya Oblasts. Preliminary results of the tests while working the soil according to the Mal'tsev method have shown an increase in the yield of cobs to 15 centners per hectare. The favorable effect of beeding the prop roots of VIR-42 corn with solutions of urea (1%) and of ammonium sulfate (1%) (plant feeding improved, ripening was considerably accelerated and the yield increased). The prop root supplemental of feeding P_c (1 : 10) caused some scorching of the corn leaves. Treating the seeds with microelements and concentrations of $MnSO_4$ 0.08%, $ZnSO_4$ 0.04% has also increased

Card : 1/2

M

Country : USSR
Category : CULTIVATED PLANTS.FRUITS. Berries.
Ref. : REF ZHUR-BIOL.,21,1958,NO.96109
Abs. Jour. :
Author : Voytenko, M.V.
Institution : Krasnodar Chernomorsk Agricultural Inst.
Title : The Problem of the Time for Planting Fruit Trees
in the Fall Period in Rostovskaya Oblast'.
Orig. Pub. : Sb. nauchno-issled. rabot. Azovo-Chernomorsk. s.
kh. in-t, 1957, 15, 147-153

Abstract : It has been determined by experiments made with
sour cherries at Novocherkassk that the best time
for planting in Rostovskaya Oblast' may be consid-
ered the first half of October, when both soil and
air temperatures drop. The leaves should be
removed from the seedlings. Callus excrencences
and young rootlets form prior to the chilling of
the roots. Planting in autumn makes it possible
to organize planting operations over a much longer
period than when planting in spring.--A.A. Il'in-
skiy

Card: 1/1

VOYSENKO, N.

Semiprocessed vegetable products prepared in factories.
Obshchestv. pit. no. 6:26-28 Je '61. (MIRA 14:9)

1. Upravlyayushchiy Ukrdorrestorana.
(Vegetables, Canned)

VOYTENKO, N.

Essential oils for cooking. Obshchestv. pit. no.7:31 Jl '61.
(MIRA 14:8)

1. Upravlyayushchiy Ukrborrestoranom.
(Essences and essential oils)

VOYTCENKO, N.; SHINDEL'MAN, Ye.

~~Make wider use of advanced methods. Obshchestv. pit. no. 4:1-4
Ap '58.~~

(MIRA 11:4)

1. Upravlyayushchiy respublikanskoy kontoroy "Ukrobshchepit" (for
Voytenko). 2. Nachal'nik proizvodstvennogo otdela "Ukrobshchepit"
(for Shindel'man).
(Restaurants, lunchrooms, etc.)

VOYTENKO, N. (Kiyev); SKOLATSKIY, E., starshiy instruktor-kulinar (Kiyev)

Frozen dishes. Obshchestv. pit. no.9:26-27 8 '58. (MIRA 11:10)

1. Upravlyayushchiy respublikanskoy kontoroy "Ukrabshchepit" (for
Voytenko).

(Food, Frozen)

Voytenko, O.I.

133-7-11/28

AUTHOR: Chikashua, D.S., Metreveli, A.I. and Voytenko, O.I.
TITLE: Granulation of Manganese Slags (Granulyatsiya peredel'nykh
margantsevykh shlakov)

PERIODICAL: Stal', 1957, No.7, pp. 611 - 615 (USSR)

ABSTRACT: Granulation of manganese slags obtained from the production of manganese alloys (with and without fluxes) in order to obtain products suitable for further smelting was investigated on a laboratory and pilot plant scale. The chemical composition and physical properties of crushed slags are given in Table 1. The process consisted of pouring a stream of slag into an inclined, rotating water-cooled drum with the simultaneous blowing into the slag stream of water and air. Similar experiments were carried out using coke breeze, manganese ore, limestone slackened lime and manganese slurries instead of water and air. Agglomerates with required properties (size and strength) can be produced. The properties of agglomerates produced are given in Table 2. The diagram of the installation used for the agglomeration is shown in Fig.1 and photographs of agglomerates produced in Figs. 2 and 3. Using the above method with a suitable choice of solid additions (fine fractions of the agglomerate can be used as such additions) the preparation of manganese Card 1/2 slags for further treatment is considerably simplified and

135-7-11/28

Granulation of Manganese Slags.

agglomerates of required composition can be obtained. The above method can be also used for granulation of metallic alloys as well as ferro-chromium slags and slags of non-ferrous metals. There are 2 tables, 3 figures and 5 Slavic references.

ASSOCIATION: Zestafoni Ferro-alloy Works (Zestafonskiy Zavod Ferrosplavov)

AVAILABLE: Library of Congress.

Card 2/2

CHIKASHUA, D.S.; VOYTENKO, O.I.

Effect of temperature on the degree of purification of manganese sulfate solutions from nickel. Stal' 22 no.9:814 S '62.
(MIRA 15:11)

1. Zestafonskiy ferrosplavnyy zavod.
(Manganese—Electrometallurgy)
(Metals, Effect of temperature on)

CHIKASHUA, D.S.; VOYTENKO, O.I.

Obtaining manganese sulfate solutions from lean ores and
waste from manganese alloy production. Stal' 24 no.8:716-
717 Ag '64. (MIRA 17:9)

1. Zestafonskiy zavod ferrosplavov.

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1

BRAZHNIK, A., kand.sel'skokhoz.nauk; GLYANTSEV, A.F., kand.sel'skokhoz.nauk;
VOYTCENKO, R.M., starshiy nauchnyy sotrudnik

Effect of fertilizers on sugar yeilds. Nauch. trudy Ukr. nauch.-
issl. inst. rast. sel. i gen. 2:183-221 '58. (MIRA 14:1)
(Sugar beets--Fertilizers and manures)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1"

AYRAPETYANTS, A.V.; VOYENKO, R.M.; DAVYDOV, B.E.; KRENTSEL', B.A.;
SEREBRYANIKOV, V.S.

Effect of orientation on the electrical properties of heat-
treated polyacrylonitrile. Vysokom. soed. 6 no.1:86-88 Ja'64.
(MIRA 17:5)

1. Institut neftekhimicheskogo sinteza AN SSSR.

AYRAPETYANTS, A.V.; VOYENKO, R.M.; DAVYDOV, B.E.; SEREBRYANIKOV, V.S.

On the so-called "compensation effect" in organic semiconductors.
(MIRA 15:3)
Vysokom.sood. 3 no.12:1876 D '61.
(Semiconductors)

VOYTE NKO, K.M.

PHASE I BOOK EXPLOITATION

SOV/984

International symposium on macromolecular chemistry. Moscow, 1960.

Mashinotrodyz simpozium po makromolekulyarnoy khimii SSSR, Moskva, 14-18 iyunya 1960 g.; doklad 1 avtoreferaty. Sektora III. (International Symposium on Macromolecular Chemistry) Held in Moscow, June 14-18, 1960; Papers and Summaries) Section III. [Moscow, Izd-vo AN SSSR, 1960] 469 p. 55,000 copies printed.

Tech. Ed.: P. S. Kashina.

Sponsoring Agency: The International Union of Pure and Applied Chemistry. Commission on Macromolecular Chemistry.

PURPOSE: This book is intended for chemists interested in polymerization reactions and the synthesis of high molecular compounds.

CONTENTS: This is Section III of a multivolume work containing papers on macromolecular chemistry. The articles in general deal with the kinetics of polymerization reactions, the synthesis of special-purpose polymers, e.g., ion exchange resins, semiconductor materials, etc., methods of catalyzing polymerization reactions, properties and chemical interactions of high molecular materials, and the effects of various factors on polymerization and the degradation of high molecular compounds. No personalities are mentioned. References given follow the articles.

Zabel, J. and J. Mordzinski (Poland). Chloridation of Phenol-Formaldehyde Resins 27

Alexandru, L. I. and M. Opris, and A. Ciocan (Romania). Cyanethethyl and Aminopropyl Ethers of Polyvinyl Alcohol 34

Samborich, A. M., G. V. Gordon, E. I. Baskin-Kozlova, Ye. M. Gribanov, A. A. Tikhonov, and N. N. Kokoreva (USSR). Study of the Chemical Conversions of Polycarbonates 54

Bogachuk, R. A., M. S. Feldhtrem, and L. M. Balayeva (USSR). Chemical Interaction and Mechanism of the Activating Action of Double Systems of Vulcanization Accelerators 65

Kuznetsov, J. A. and P. Vorob'eva, G. A. Shirkova, and N. L. Zolotareva (USSR). Esters of Sulfinic Acid and Polyvinyl Alcohol 73

Volmer, Z., Z. Hally, and G. Turecz (Hungary). The Interaction of Aromatic Amines and Polyvinyl Chloride 79

Garderich, M. A., B. F. Davydyev, A. A. Kremens', I. M. Danilova, L. S. Golik, A. N. Topchikov, and E. M. Ryzantseva (USSR). The Production of Polymeric Materials With Semiconductor Properties 85

Kubinyi, L. and L. I. Kovacs (Hungary). Chemical Properties of Bipolar Ion-Exchange Resins 93

Nebek, S. I. and J. Morawiec (Poland). Effect of the Structure of Organic Anion-Coupoounds on the Properties of Anion Exchange Resins From Polystyrene 104

Saladze, K. M. (USSR). The Problem of the Effect of the Structure of Ionites on Ion-Exchange Processes Between Ionites and Electrolyte Solutions 107

Berlin, A. A., B. L. Ischenko, and V. P. Parton (USSR). Production and Properties of Some Aromatic Polyesters 115

Tsvetkovskaya, Yu. V., I. P. Losov, A. S. Tsvetkov, S. B. Zelentsova, J. Z. Rebedova, and Iu. M. Kostylev (USSR). Coatings of Insoluble Copolymers of Styrene 123

Landau, J. (Poland). Thermal Stability of Strongly Basic Anion Exchange Resins 146

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9.4300 (1143, 1150)
24.1100 1143, 1043, 1136

S/020/61/136/005/024/052
B101/B206

AUTHORS: Voytenko, R. M. and Raskina, E. M.

TITLE: Some properties of polymer semiconductors

PERIODICAL: Doklady Akademii nauk SSSR, v. 136, no. 5, 1961, 1137-1138

TEXT: The electrical conductivity of polymer semiconductors obtained lately on the basis of polyacrylonitrile and polyvinylchloride is an exponential function of temperature: $\sigma \sim \exp(-\Delta E/2RT)$ (1). For these materials, the activation energy ΔE varies between 1.7 and 0.18 ev, according to the treatment of the initial polymer (Refs. 1,2). If $\sigma = enu$ (n = concentration of carriers; u = carrier mobility) is assumed, as is customary, the temperature dependence of electrical conductivity can be explained either a) by exponential increase of the number of carriers (when using the bond model, ΔE is the width of the forbidden band), or b) by exponential increase of the carrier mobility: $u \sim \exp(-\Delta E/RT)$. An answer to this problem can be given by studying the temperature dependence of the differential thermo-emf. If conductivity increases owing to increasing carrier concentration, this must be accompanied by a decrease of

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S/020/61/136/005/024/032
B101/B206

Some properties of polymer semiconductors

the thermo-emf. In this case, the following is valid according to the band theory: $\alpha = (k/e)(A - \Delta E/2RT)$ (2), A being almost independent of temperature. If, however, the carrier concentration does not depend on temperature, the thermo-emf is bound to increase logarithmically with temperature (Ref. 3). Fig. 1 shows the conductivity of polyacrylonitrile specimens as a function of temperature; Fig. 2 shows the thermo-emf of the same specimens as a function of temperature, and also the temperature dependence of the thermo-emf calculated from Eq. (2) for $\Delta E = 0.18$ (dash) and $\Delta E = 0.51$ (dot-dash). For specimens 3,4,5, the integral thermo-emf was determined as a function of the temperature gradient by charging a capacitor. Fig. 2 shows the differential thermo-emf obtained by differentiating the experimental function. As shown in the figures, the thermo-emf depends only slightly or not at all on temperature. It can be concluded therefrom that in the materials studied, the temperature dependence of conductivity is mainly caused by an exponential increase of the carrier mobility with temperature. [Abstracter's note: This is a full translation of the original]. There are 2 figures and 3 Soviet-bloc references.

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S/020/61/136/005/024/032
B101/B206

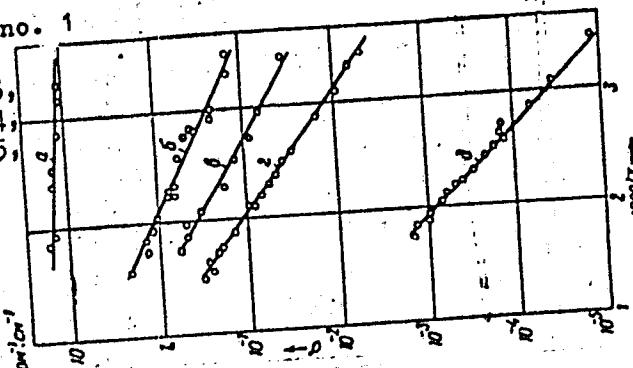
Some properties of polymer semiconductors

ASSOCIATION: Institut neftekhimicheskogo sinteza Akademii nauk SSSR
(Institute of Petrochemical Synthesis, Academy of Sciences
USSR)

PRESENTED: September 12, 1960, by V. A. Kargin, Academician

SUBMITTED: August 4, 1960

Legend to Fig. 1. a) specimen no. 1
 $\Delta E = 0.18$ ev; b) specimen no. 2,
 $\Delta E = 0.26$ ev; c) specimen no. 3,
 $\Delta E = 0.32$ ev; d) specimen no. 4,
 $\Delta E = 0.39$ ev; e) specimen no. 5,
 $\Delta E = 0.51$ ev.

Card ~~off~~

ACCESSION NR: AP4009151

S/0190/64/006/001/0086/0088

AUTHORS: Ayrapetyants, A. V.; Voytenko, N. M.; Davydov, B. E.; Krentsel', B. A.; Serebryanikov, V. S.

TITLE: Effect of orientation on electrical properties of thermally treated polyacrylonitrile

SOURCE: Vyssokomolekulyarnye soyedineniya, v. 6, no. 1, 1964, 86-88 and top half of insert between p. 86 & 87

TOPIC TAGS: polyacrylonitrile, fiber orientation, conductivity, activation energy, current carrier

ABSTRACT: The effect of thermally treated fiber orientation on the electrical properties of polyacrylonitrile has been investigated and data recorded as x-ray photographs. The specific resistance was measured by sounding probe techniques for these specimens which were heat-treated at 510, 620, and 700C respectively. The conditions of thermal treatment being the same, polyacrylonitrile fibers of greater orientation showed a greater conductivity. The activation energy was found to be independent of the degree of orientation. It may be assumed that the

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ACCESSION NR: AP4009151

electroconductivity increases because of a possible decrease in number of inter-molecular barriers and an increase in mobility of current carriers. Orig. art. has: 3 figures.

ASSOCIATION: Institut neftekhimicheskogo sinteza AN SSSR (Institute of Petrochemical Synthesis)

SUBMITTED: 07Aug62

DATE ACQ: 10Feb64

ENCL: 00

SUB CODE: PH

NO REF Sov: 003

OTHER: 001

Card 2/2

AYRAPETYANTS, A.V.; VOYTENKO, R.M.; DAVYDOV, B.E.; KRENTSEL', B.A.

Electric conductance mechanism in organic semiconductor polymers.
Dokl. AN SSSR 148 no.3:605-608 Ja '63. (MIRA 1612)

1. Institut neftekhimicheskogo sinteza AN SSSR i Institut polu-
provodnikov AN SSSR. Predstavлено академиком V.A. Karginym.
(Polymers—Electric properties) (Semiconductors)

AYRAPETYANTS, A.Y., VOITENKO, R.M., DAVIDOV, B.E. KRENTSEL, B.A.

Conductance mechanism in organic semi-conductor polymers

Report submitted for the International Symposium of Macromolecular chemistry
Paris, 1-6 July 63

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"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1"

VOYTKO, T. V.

USSR/Processes and Equipment for Chemical Industries - Control and Measuring Devices.
Automatic Regulation, K-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63990

Author: Ostrovskiy, G. M., Voytenko, T. V., Virob'yan, A. O.

Institution: None

Title: Regulation of Technological Processes with a Forewarning

Original
Periodical: Priborostroyeniye, 1956, No 3, 3-8

Abstract: An analysis is presented of the operation of pneumatic and electric devices which permit regulation with a taking into account of the rate of change of the parameter being regulated. Considered are various methods of providing a forewarning in pneumatic systems. The conclusion is reached that corrective devices (of pneumatic as well as of electric type) which provide a forewarning can find extensive utilization in the regulation of various parameters in numerous branches of industry. This applies primarily to regulation of temperature since thermal processes have usually a large time constant and extensive lag which render difficult their regulation.

Card 1/1

VOYTENKO, V.A.

CHAPLINSKAYA, S.B.: VOYTENKO, V.A.

Effect of sea water baths on the organism. Vop.kur.fizioter. i
lech.fiz.kul't. no.1:67-72 Ja-Mr '55. (MLRA 8:8)

1. Sanatoriye VTSSPS Krasnoye Krivorizh'e v Alushte (glavnyy
vrach A.I. Spiridonov, nauchnyy rukovoditel'--prof. A.B. Shakhna-
zarov) (THALASSOTHERAPY)

VOYTCENKO, V.G., inzhener; ZAKHAROV, A.G.

Design for a light protective covering for wooden bridges, Art.dor.
(MLEA 9:2)

18 no.6:27 O '55.
(Bridges, Wooden)

L 10221-66 EWT(m)/T/EWP(t)/EWP(b)/EWA(c)/ETC(m)
ACC NR: AP5028498

JD/RW
SOURCE CODE: UR/0286/65/000/020/0074/0075

AUTHORS: Alekseyev, R. I.; Voytenko, V. I.; Tokarskaya, Ye. A.

23
B

ORG: none

TITLE: Device for determination of moisture in gases. Class 42, No. 175681

SOURCE: Byulleten' izobreteniya i tovarnykh znakov, no. 20, 1965, 74-75

TOPIC TAGS: moisture content, moisture determination, moisture measurement, moisture

ABSTRACT: This Author Certificate presents a device for determination of moisture in gases. The apparatus consists of a pipe with a mandrel, flow meter, d-c current supply, and a current meter (automatic or pointer type). On the mandrel are wound two platinum electrodes. The mandrel and electrodes are covered with a thin hygroscopic film, consisting of a partially hydrated coating of phosphorus anhydride. To obtain a uniform hygroscopic film, the mandrel is made from molybdenum glass and has bifilar spiral grooves on its surface for the electrodes. To increase the analytical response, the distance between neighboring electrode windings is maintained constant throughout the length of the mandrel. To increase the absorption of moisture by the hygroscopic film, a wire is wound on the mandrel in the direction opposite to the electrodes (see Fig. 1). The wire has an organic insulation and has a diameter equal to the space between the pipe and the mandrel. To signal excess moisture content in gases, the device has built into it a d-c triode amplifier and

UDC: 533.275.08

Card 1/2

L 10221-66

ACC NR: AP5028498

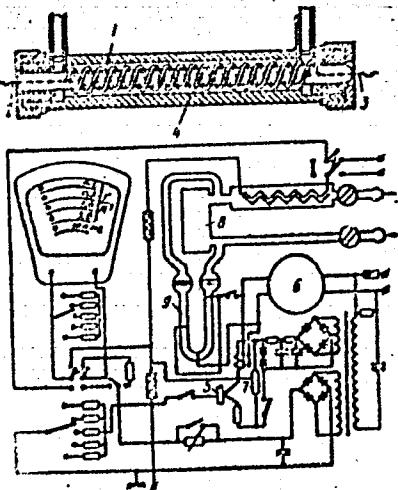


Fig. 1. 1 - Mandrel; 2 and 3 - electrodes;
4 - wire with organic insulation;
5 - d-c amplifier; 6 - sound
generator; 7 - relay; 8 - flow
regulator; 9 - manometer.

sound generator and a relay connected to the sound generator. To avoid errors of measurement (arising from fluctuations in the gas supply) exceeding the limiting values compensated for by the flow regulator, the entrance and exit of the flow regulator are connected to a differential mercury manometer equipped with contacts which close the circuit of the sound generator. Orig. art. has: 1 figure.

SUB CODE: 11/ SUBM DATE: 14 Nov 63

Card 2/2 07

VOYTENKO, V.P., [Voitenko, V.P.], aspirant

Some characteristics of hemorrhagic vasculitis in children. Ped.,
skush. i gin. 23 no.6:3-6 '61. (MIRA 15:4)

1. Kafedra fakul'tetskoy pediatrii (zav. - prof. V.G.Balaban
[Balaban, V.H.]) Kiyevskogo meditsinskogo instituta im. akademika
Bogomol'tsa (rektor - dotsent V.D.Bratus').
(PURPURA (PATHOLOGY))

VOYTENKO, V.V.

Active immunization against diphtheria and whooping cough under
polyclinical conditions. Vop.okh.mat.i det. 7 no.4:73-76 Ap '62.
(MIRA 15:11)

1. Iz 2-y polikliniki Leningradskoy ob'yedinennoy bol'nitsy
imeni N.F.Filatova (glavnnyy vrach I.Kh.Sokolova).
(DIPHTHERIA—PREVENTIVE INOCULATION)
(WHOOPING COUGH—PREVENTIVE INOCULATION)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1

VOYTENKO, V.I.

Phantastron circuits with high linearity characteristics. Prib.
i tekh. eksp. 8 no.1:171-172 Ja-F '63. (MIRA 16:5)
(Oscillators, Electron tube)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1"

S/120/63/000/001/051/072
E192/E382

AUTHOR: Voytenko, V.I.

TITLE: Phantastron circuits of high linearity

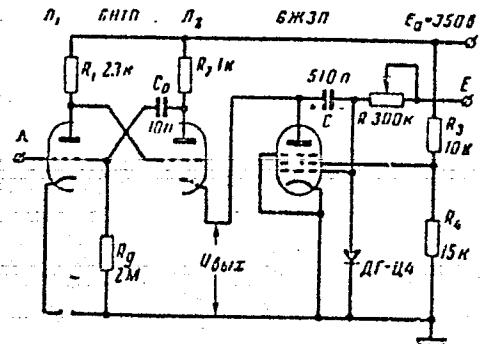
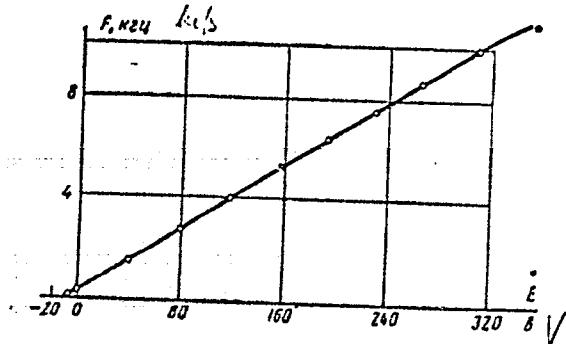
PERIODICAL: Pribory i tekhnika eksperimenta, no. 1, 1963,
171 - 172

TEXT: The circuit (Fig. 1) differs from the ordinary phantastron in that it comprises an additional tube (the third tube in the figure) which provides a strong feedback path through the resistor R. The circuit can generate waveforms having a non-linearity of less than 10^{-4} and short flyback times. The discharge time for the capacitor C can be controlled over wide limits by varying either the potential E, the resistance R or the voltage source applied to the first tube (double triode). The oscillation-frequency of the circuit can be varied linearly by changing the potential E. This is illustrated in Fig. 2. The modified phantastron circuit can also be based on three single triodes.
There are 4 figures.

SUBMITTED: March 29, 1962

Card 1/2

Phantastron circuits

S/120/63/000/001/051/072
E192/E382Fig. 1:Fig. 2:

Card 2/2

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1

VOYENKO, V.P. [Voitenko, V.P.]

Differential diagnosis in rheumatic fever and rheumatoid diseases in
children. Ped., akush. i gin. 23 no.4:2 of cover '61. (MIRA 17:1)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1"

VOYTENKO, V.P.

Some biochemical indices indices in hemorrhagic vasculitis in
children. Vop.ohmat. i det. 7 no. 9:35-40 S '62. (MIRA 15:12)

1. Iz kafedry fakul'tetskoy pediatrii (zav. - prof. V.G.Balaban)
Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo
instituta imeni A.A.Bogomol'tsa.
(PURPURA (PATHOLOGY)) (BLOOD PROTEINS)(ADRENAL CORTEX)

VOYTENKO, V.P. [Voitenko, V.P.]

New diuretic-antagonist, aldosterone; survey of the foreign
literature. Ped., akush. i gin. 24 no.1: 2 of cover '62.
(MIRA 16:8)

(ALDOSTERONE)

VOYTENKO, Ye.

French visitors. Grazhd.av. 19 no.7:28 Jl '62. (MIRA 15:8)
(Russia--Relations (General) with France)

VOYTIENKO, Ye

28914 VOYTIENKO, Ye Chleny Profsoyuza, Ikh Prava i Obyazannosti lob Ustave Sov.
Profsoyuza v.). Prof Soyuz, 1949, NO. 9, S.22-25.

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

VOYTENKO, Ye.

In an atmosphere of mutual esteem. Grazhd.av. 18 no.10:31 0
'61. (MIRA 15:5)

1. Chlen TSentral'nogo komiteta professional'nogo soyuza
aviarabotnikov.
(Air pilots) (Aeronautics—International cooperation)

ARKADAKSIY, Yu.A.; BAKASHEVA, L.I.; ZHMYKHOV, I.N.; VOITENKO, Ye.S.;
BOSHCHENKOV, K.P.; ILYAKHIN, M.I.; KOROLEV, V.A.; KRATOV, P.A.;
LOBAKOV, V.I.; MAJEDOV, A.; MARZBAN BABEK; RODIONOV, S.R.; ROSTOVSKIY,
S.N.; SAKOVICH, V.P.; PIMENOV, P.T.; ZHELEZHOVA, L.M., red.; ZABOROV,
M.A., red.; RAKOV, S.I., tekhn.red.

[History of the trade-union movement in foreign countries, 1939-1957]
Istoriia profdvizheniya za rubezhom; 1939-1957 gody. Izd-vo VTsSPS
(MIRA 12:2)
Profizdat, No.3. 1958. 669 p.

1. Moscow. Moskovskaya vyschaya shkola profdvizheniya..2. Kafedra
istorii profsoyuznogo dvizheniya za rubezhom Moskovskoy vyschey
shkoly profdvizheniya(for all except Zheleznova, Zaborov, Rakov).
(Trade unions)

VOYTCENKOV, F. A.

37438. Otkorm krupnogo rogatogo skota bez kontsentrator. Sots. zhivotnovodstvo,
1949, No. 8, s. 46-51.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

YEGOROV, V.; VOYTENKOV, N., udarnik kommunisticheskogo truda; KAZMERCHUK, L.,
master uchastka kommunisticheskogo truda No.8; YERENBURG, Z.;

Minsk tractor builders on the precongress watch. Sov. profsoiuzy 17
(MIRA 14:3)
no.7:13-16 Ap '61.

1. Predsedatel' komiteta profsoyuza Minskogo traktornogo zavoda
(for Yegorov). 2. Profgruporg svarochnogo uchastka pressovogo tsekha
Minskogo traktornogo zavoda (Voytenkov). 3. Traktornyj tsekhan
Minskogo traktornogo zavoda (for Kazmerchuk). 4. Nachal'nik termi-
cheskogo otdeleniya kuznechnogo tsekha, predsedatel' obshchestvennogo
ekonomiceskogo byuro Minskogo traktornogo zavoda (for Yerenburg).
(Minsk—Tractor industry) (Minsk—Technological innovations)
(Socialist competition)

BELOUSOVA, A. (Alma-Ata); VOYTENKOVA, Ye., instruktor (Alma-Ata)

Rifle marksmen of Kazakhstan. Voen. znan. 38 no.9:30 S '62.
(MIRA 15:9)

1. Otvetstvennyy sekretar' Kazakhskogo respublikanskogo komiteta
Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu
(for Belousova). 2. Kazakhstanskiy respublikanskiy komitet
Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu
(for Voytenkova).

(Kazakhstan—Shooting)

VOYTIENOK, N.K., vrach

Prevention of pains and suppuration following surgery. Zdrav. Belor.
(MIRA 14:5)
6 no.4:51-52 Ap '60.

1. Iz khirurgicheskogo otdeleniya Berezovskoy raybol'nitsy, nauchnyy
rukovoditel' raboty - professor P.N.Maslov.
(OPERATIONS, SURGICAL) (SUPPURATION)
(PAIN)

VOYTENOK, N.K.

Anomaly in the development of the liver. Zdrav. Bel. 7 no.10:66
(MIRA 14:11)
0 '61.

1. Iz Berezovskoy rayonnoy bol'nitsy. Nauchnyy rukovoditel' -
professor P.N.Maslov.
(LIVER—ABNORMALITIES AND DEFORMITIES)

VOYTENOK, N.K.

Calculus cholecystitis in a girl aged 11. Zdrav. Bel. 7 no.6:61
(MIRA 15:2)
Je '61.

1. Iz Berezovskoy rayonnoy bol'nitsy. Nauchnyy rukovoditel' raboty -
zaveduyushchiy kafedroy fakul'tetskoy khirurgii Minskogo meditsinskogo
instituta. prof. P.N.Maslov.
(CALCULI, BILIARY)

VOYTENOK, N.K.

Varicose ulcers and their treatment. Zdrav. Bel. 6 no.11:56-58 N
'60. (MIRA 13:12)

1. Iz Berezovskoy rayonnoy bol'nitsy. Nauchnyy rukovoditel' -
professor P.N. Maslov. (VARIX)

VOYTESHONOK, A.A., shlifovshchik; SMAGORINSKIY, B.S., red.

[Original decisions] Original'nye resheniya. Volgo-
grad, Nizhne-Volzhskoe knizhnoe izd-vo, 1962. 19 p.
(MIRA 18:2)

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1

VOYTESHENOK, A. A.

23384 Poluchenije Syromyati Iz Pilenogo Gol'ya. Legkaya Prom-st', 1949, No. 7.
c. 22-23-

SO: LETOPIS NO. 31, 1949

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1"

KAV'YAROV, I.S., inzh.; LAZAREV, A.A., inzh.; NIKIFOROV, A.A., inzh.; ROZET, I.Ya., inzh.; VOITETSKIY, G.P., inzh., red.; KASPEROVICH, N.S., inzh., red.izd-va; UVAROVA, A.F., tekhn.red.

[Catalog of spare parts for S-80 and S-100 tractors] Katalog
zaspynykh chastei traktorov S-80 i S-100. Moskva, Gos.nauchno-
tekhn.izd-vo mashinostroit.lit-ry, 1959. 230 p. (MIRA 14:4)

1. Chelyabinskij traktornyy zavod, Chelyabinsk. 2. Otdel glavnogo
konstruktora Chelyabinskogo traktornogo zavoda (for Kav'yarov,
Lazarev, Nikiforov, Rozet).
(Tractors--Catalogs)

ACC NR: AM6026323

Monograph

UR/

Voytetskiy, Vitol'd Vitel'yevich; Garber, YEvgeniy Davidovich

Principles of automation and regulation of marine power plants (Osnovy avtomatizatsii i regulirovaniya sudovykh silovykh ustavovok) Leningrad, Izd-vo "Sudostroyeniye," 1966. 199 p. illus., biblio, 7000 copies printed. Textbook for students and shipbuilding and marine technical institutes.

TOPIC TAGS: automatic control, automatic control technology, automatic regulation, automation, marine engineering, marine equipment, marine engine, POWER PLANT

PURPOSE AND COVERAGE: This book is designed as a textbook for students of shipbuilding and marine mechanics in technical schools; it can also be used by technical schools involved in the planning and operation of systems for the automatic control of marine power plants. The book discusses the principles of automatic regulation and control theory, describes typical marine automatic-equipment designs, and gives instructions for the installation, repair, and operation of marine regulating equipment. The present level of automation of steam, diesel, and gas-turbine power plants of domestic vessels is reflected, with the main attention being devoted to hydraulic and pneumatic means of regulation, which are more

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UDC: 629.12.02—52

ACC NR: AM6026323

widely used in these systems. There are 10 references, all of which are Soviet.

TABLE OF CONTENTS [abridged]:

Introduction -- 3
Ch. I. Basic concepts concerning automatic regulation -- 7
Ch. II. Objectives of regulation -- 23
Ch. III. Automatic regulators -- 40
Ch. IV. Principles of planning the automatic regulation systems of marine power plants -- 120
Ch. V. Automatic regulation systems for marine power plants -- 152

SUB CODE: 13/ SUBM DATE: 01Mar66/ ORIG REF: 010

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"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1

SHIFRIN, M.Sh., doktor tekhn.nauk; YUNG, V.N., inzh.; VOYTETSKIY, V.V., inzh.

Selecting a type of feedback in regulators of marine power plants.
Sudostroenie 29 no.10:22-26 O '63. (MIRA 16:12)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1"

L 07887-67 EWP(d)/EWP(m)/EWP(k)/EWP(h)/EWP(v)/EWP(l) DJ/GD
ACC NR: AT6021733 (N) SOURCE CODE: UR/0000/66/000/000/0105/0115
69
67

AUTHOR: Voytetskiy, V. V.; Kuz'min, V. I.

ORG: none

TITLE: The outlook for the use of universal hydraulic controllers in the automatic control systems of shipboard steam power plants

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Pnevmoavtomatika (Pneumatic automation). Moscow, Izd-vo Nauka, 1966, 105-115

TOPIC TAGS: automatic control system, hydraulic device, hydraulic equipment, pneumatic device, pneumatic control, marine engine, steam auxiliary equipment, steam power plant

ABSTRACT: Hydraulic control elements suitable for shipboard use in the steam power plant control system are described and their advantages over other devices are given. In the design of control systems for use on ships, special consideration must be given to the difficult operating conditions: a) operation in presence of rolling, vibration and shock stresses; b) high humidity and temperature of the ambient air; c) closed loop circulation for the feed water with overflow into reservoirs with excess pressure; d) considerable distances between the individual control elements; and e) possibility of feed water contamination. Current automatic control systems, based on feed water as

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ACC NR: AT6021733

the control medium and jet type amplifiers have several disadvantages: a) lack of accurate and smooth gain control, which necessitates tailoring of the modules to the specific purpose, precludes the use of universal elements; b) due to the input signal summation method through a common mechanical lever an interaction of these signals cannot be avoided; c) the mechanical means for interconnection of various hydraulic elements makes the system complex and inflexible; d) the jet amplifier, while reliable, has some shortcomings, e. g., the limitation of the output power by the diameter of the valve nozzle; and e) the summation of the input signals on a single mechanical lever requires low friction bearings||or knife-edge support. These are difficult to make and are particularly prone to failures. To overcome these disadvantages, universal control elements designed similar to widely-used pneumatic control elements were designed. The exception is that feed water is used as the control medium. The main module of this new system is a membrane-type operational amplifier which can be used for a variety of purposes. In the pneumatic system, the summation of the input signal can be realized either through the resistance or membrane method. For the hydraulic system, the former is more advantageous. Small-bore tubes are used as resistances (chokes). The performance of a summation hydraulic amplifier is analyzed in detail with diagrams, plots and mathematical derivations. Orig. art. has: 10 figures.

SUB CODE: 13,14/ SUBM DATE: 03Feb66/ ORIG REF: 003/ OTH REF: 001

Card 2/2 9

VOYTIK, N.

"Druzhba" brick factory to be used by several collective farms.
Sel'stroy. no. 6:6-10 Je '56. (MIRA 9:9)

1. Nachal'nik otdela po organizatsii preizvodstva stroymaterialov
v Kolkhozakh Glavkolkhozstroya Ministerstva gospodskogo i sel'skogo
stroitel'stva Belorussskoy SSR.
(Minsk Province--Brick industry)

VOYTIK, Nikolay Semenovich; YURCHENKO, Fedor Martynovich; RYABCHIKOV,
N.L., red.; TIMOSHCHUK, R.S., tekhn. red.

[Building materials at rural construction projects] Stroitel'nye materialy na sel'skikh stroikakh. Minsk, Izd-vo "Urozhai," 1963. 134 p. (MIRA 17:3)

VOYTIK, V. F.

V

COUNTRY : USER
CATEGORY : Pharmacology and Toxicology. Miscellaneous
Preparations
ABS. JOUR. : RZhBiol., No. 5 1959, No. 23216
AUTHOR : Voystik, V. F.
INST. :
TITLE : Experimental Use of the Preparations of Bee
Venom in the Treatment of Internal Diseases
ORIG. PUB. : Klinich. meditsina, 1958, 36, No 9, 131-135
ABSTRACT : The preparations of bee venom, KF₁ and KF₂, both
in small doses (0.5-0.75 ml) and in large ones
(3-4 ml), produced good results in the treatment
of 29 patients with affections of the peripheral
nervous (ischalgia, radiculitis, as well as in
infectious non-deforming polyarthritis). In the
treatment of bronchial asthma, the preparation
KF₂ had no advantage over other methods of treat-
ment.

Card:

1/1

20

VOYTIK, V.F., dotsent

Plasma fibrin in rheumatic lesion of the heart. Sov. mei. 27 no.11:54-56
(MIRA 18:7)
N 164.

1. Propedevticheskaya terapevticheskaya klinika (zav. - prof. P.I.
Shamarin) Saratovskogo meditsinskogo instituta.

VOYTIK, Valentina Frantsevna

Protein and Ulcerous Disease

Dissertation for candidate of Medical Science degree, Chair of the Department
of Therapeutics (head, Prof. P.N. Nikolayev) Saratov Medical Institute, 1944

VOYTIK, V.F., dotsent; GUREVICH, L.I., dotsent

Experience in the use of cholelithin. Kaz. Med. Zhur. no.6:
51-53 '62. (MIRA 17:5)

1. Propedevticheskaya terapeuticheskaya klinika (zav. - prof.
P.I. Shamarin) Saratovskogo meditsinskogo instituta.

VOYTIK, V.F. (Saratov)

Diagnostic value of a cytological study of the punctates of
various organs in medical practice. Kaz. med. zhur. no. 4:88-89
(MIRA 13:8)
Jl-Ag '60.

(PUNCTURES (MEDICINE))

VOITIK, V.F., dots. (Saratov)

Use of bee venom preparations in internal diseases. Klin.med.
(MIRA 11:10)
36 no.9:131-135 8'58

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. prof. P.I.
Shamarin) Saratovskogo meditsinskogo instituta (dir. - dots.
B.A. Nikitin).

(VENOMS, ther. use
bee venom in internal dis. (Rus))
(BEES, bee venom ther. of internal dis. (Rus))

VOYTIK, V.F., dotsent

Cholinesterase activity in rheumatic heart disease. Terap.arkh.
34 №.3:54-60 '62. (MIRA 15:3)

1. Iz propedevticheskoy terapevticheskoy kliniki (zav. - prof.
P.I. Shamarin) Saratovskogo meditsinskogo instituta.
(RHEUMATIC HEART DISEASE) (CHOLINESTERASES)

VOYTIK, V.F., dotsent; TARABUKHINA, Ye.V., kand.med.nauk

Effectiveness of salicylamide treatment of rheumocarditis. Sov.med.
25 no.5:124-128 My '62. (MIRA 15:8)

1. Iz kafedry propedevtiki vnutrennikh bolezney (zav. - prof. P.I. Shamarin) Saratovskogo meditsinskogo instituta (dir. - dotsent N.R. Ivanov). (RHEUMATIC HEART DISEASE) (SALICYLAMIDE)

VOYTIK, V.F., dotsent; TARABUKHINA, Ye. V., kand.meditinskikh nauk

Clinical aspects of cardiovascular diseases in influenza. Sov. med.
24 no.4:89-93 Ap '60. (MIRA 13:8)

1. Iz propedevticheskoy terapeuticheskoy kliniki (zav. - prof. P.I.
Shamarin) Saratovskogo meditsinskogo instituta (dir.-dotsent B.A. Nikitin).
(INFLUENZA) (CARDIOVASCULAR SYSTEM--DISEASES)

VOITIK, V.F.

VOITIK, V. F.

Suppurative processes in lungs treated with penicillin. Klin. med.,
Moskva 28:6, June 50. p. 69-72

1. Of the Faculty Therapeutic Clinic (Director--Prof. L. A. Varshamov),
Saratov Medical Institute, Saratov.

CLML 19, 5, Nov., 1950

VOYTIK, V.F., dozent (Saratov)

Further study and long-term results of penicillin therapy in
suppurative processes in the lungs. Klin. med. 32 no.6:82 Je '54.
(MIRA 7:8)

1. Iz propedevicheskoy terapevticheskoy kliniki (dir.-prof.
I.I.TSvetkov) Saratovskogo meditsinskogo instituta.
(LUNGS, diseases
*suppurative processes, ther. penicillin, results)
(PENICILLIN, therapeutic use
*lungs, suppurative processes, results)

PETRIK, G.K.; VOITIK, Z.S.; BELEKOV, O.

Organic and mineral changes of coal in the oxidation process
during storage. Report No. 1:-Weight changes of fuel mass and
ashes of brown, gas, and poor coals in the process of oxidation
by air at 80°C. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 3
no.2:105-113 '61. (MIRA 16:7)

(Coal--Analysis)

PHASE I BOOK EXPLOITATION

SOV/4555

Voytikov, Viktor Vladimirovich, Ivan Iosifovich Drong, Engineer,
Petr Silovich Dzhulay, Mikhail Amvrosiyevich Popov, and Petr Yakovlevich
Pritsker

Trelevochnyy traktor TDT-60 (The TDT-60 Skidding Tractor) Moscow, Goslesbumizdat,
1958. 265 p. 40,000 copies printed.

Ed. (Title page): Ivan Iosifovich Drong, Engineer; Ed. (Inside book):
N.S. Reshetnikov; Ed. of Publishing House: A.M. Osokina; Tech. Ed.: A.M. Bachurina.

PURPOSE: This book is intended for workers who are studying the TDT-60 skidding
tractor for the purpose of determining how it may be used in forestry exploitation.

COVERAGE: The book contains a technical description of the TDT-60 and instructions for
its operation, servicing and maintenance. The TDT-60, which was built by the
Minskiy traktorny zavod (Minsk Tractor Plant) is said to be a powerful caterpillar
tractor for forestry exploitation, exceeding in performance the KT-12A and TDT-40
skidding tractors. The design and the high load capacity of the TDT-60 make it

Card 1/6

The TDT-60 Skidding Tractor

SOV/4555

suitable for various operating conditions in forestry. Its hydraulic drives increase maneuverability, control of attachments (bulldozer, snow plows), and make it adaptable for auxiliary logging operations. According to the authors the forestry industry has not yet fully explored all possible uses of the TDT-60 tractor. No personalities are mentioned. There are no references.

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General Construction of the Tractor	4
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D-6GT Engine	12
Cylinder block	15
Cylinder head	18
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Care of the lubricating system of the engine	47

Card #76

VOYTIKOV, V.V., inzh.

Establishing the families of wheeled and crawler tractors on the
basis of the MTZ -5 tractor. Trakt. i sel'khozmash, 33 no.6:1-5
Je '63. (MIRA 16:7)

1. Minskiy traktornyy zavod.
(Tractors—Designing and construction)

1. 9397-66 ENT(m)/T/ETC(m) WW/DJ

ACC NR: AP5027720

SOURCE CODE: UR/0340/65/000/009/0038/0039

AUTHOR: Voytikov, V. V. (Chief of design bureau of tractors)

ORG: Minsk Tractor Plant (Minskij traktornyy zavod)

TITLE: The MTZ-52--a vehicle of high penetrability

SOURCE: Sel'skiy mekhanizator, no. 9, 1965, 38-39

TOPIC TAGS: agricultural machinery, transmission gear/ MTZ 52 tractor, MTZ 7 tractor

ABSTRACT: A new tractor (MTZ-52) has been developed at the Minsk Tractor Plant. It is the MTZ-50 with a newly designed front-drive axle. The front axle is raised with the aid of bevel reducing gears on the wheels. The road clearance under the front axle is increased from 390 mm to 640 mm. The turning radius of the MTZ-52 was reduced from 4.8 to 3.3--3.6 m, as compared with the MTZ-7. The track of the front wheels may be varied from 1200--1800 mm. The front wheels are driven from a secondary shaft of the gear box through a distributing box and a universal joint. The bevel gears of the reducing-gear train serve simultaneously as joints and do not limit the turning angle of the wheels at the kingpins. The differential automatically blocks the front wheels and does not allow them to slip. A free-wheeling clutch automatically engages and disengages the front axle. When the tractor moves forward, the front axle is automatically connected when the rear wheels slip. The MTZ-52 went into production in December 1964. Orig. art. has: 1 photograph and 1 diagram.

SUB CODE: 13/ SUBM DATE: none

02

Card 1/1 rds

VOYTIKOV, V.V., inzh.

The MTZ-52 tractor with four driving sheals. Trakt. i sel'khoz-
mash. no.6:4-7 Je'64 (MIRA 17:7)

1. Minskiy traktornyy zavod.

VOYTIKOVA, T.D.

Some data on the diffuse reflection of the detector coverings
of actinometric instruments. Trudy GGO no.170:167-169 '65.
(MIRA 18:9)

L 3888-66 EWT(1)/EWT(m)/EPF(c)/EWP(v)/EWP(j)/T WN/RM/GW

ACCESSION NR: AT5025237

UR/2531/65/000/170/0167/0169

AUTHOR: Voytikova, T. D.

44,55

TITLE: Some data on the diffuse reflection from coatings on the collectors in actinometric instruments

13,44,55

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 170, 1965. Issledovaniye radiatsionnykh protsessov v atmosfere (Investigation of radiation processes in the atmosphere), 167-169

TOPIC TAGS: actinometry, magnesium oxide, specialized coating, electromagnetic radiation

44,55

54
45
BT1

ABSTRACT: The author studies the possibility of using a dye made from a mixture of powdered magnesium oxide and BF-6 adhesive for coating pyrgeometers. Several specimens were prepared by coating copper plates with a mixture of these components taken in various proportions. The coatings were not applied directly to the surface of the copper, but on top of a black dye made from a mixture of carbon black and amber lacquer to eliminate reflections from the copper substrate in the long-wave region of the spectrum since magnesium oxide passes long-wave radiation. Specimens were

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also made with coatings used in the Main Geophysical Observatory (an alcohol solution of MgO powder and celluloid). Diffuse reflection from the samples was measured in the 0.4-0.8 μ and 0.75-15 μ ranges. Graphs of the results are given. It is found that the coefficients of reflection from these coatings are not strongly dependent on the type of binder, nor on the ratio of binder to MgO powder. All MgO-coated specimens show excellent absorption of radiation in the region of wavelengths >2.5 μ .^{44,55} "In conclusion the author is grateful to L. D. Kislovskiy and V. M. Zolotarev for giving him the opportunity to measure the reflection in the infrared spectral region." Orig. art. has: 2 figures.

ASSOCIATION: Glavnaya geofizicheskaya observatoriya (Main Geophysical Observatory)

44,55
SUB CODE: TD, MT

SUBMITTED: 00

ENCL: 00

NO REF SOV: 007

OTHER: 000

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Card 2/2

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CIA-RDP86-00513R001861120010-1

VOYTIKOVA, T.D.

Calculation of a hemispherical emitter for pyrgeometer radiation.
Trudy GGO no.152:160-177 '64. (MIRA 17:7)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001861120010-1"

VOYTIKOVA, T.D.

Estimating the significance of CO₂ for the integral function of absorption in homogeneous horizontal layers of the air. Trudy GGO no.118:82-85 '61. (MIRA 14:8)

(Carbon dioxide)
(Radiation)

VOITIKOVA, T.D.; GORYSHIN, V.I.

Electronic temperature regulator. Trudy 000 no.100:105-109
'60. (MIRA 13:6)
(Temperature regulators)

36-68-5/18

AUTHOR: Voytikova, T.D.

TITLE: Methods of Measuring the Size of Rain Drops (K metodike izmereniya razmerov dozhdevykh kapel')

PERIODICAL: Trudy Glavnay geofizicheskoy observatorii
1957, Nr 68, pp. 98-101 (USSR)

ABSTRACT: To establish the size of rain drops, they were captured in a tray (dish collector) filled with castor oil and then photographed. This method permits capturing rain drops even of 0.05 mm in diameter. All other methods are considered less effective or complicated. The article discusses the splashing of the drops as they hit against the surface of the oil and examines the form the drops acquire thereafter. The article mentions Ye.A. Polyakova and I.V. Litvinov, both of the Applied Geophysics Institute of the Russian Academy of Sciences. There are 2 tables, 1 diagram and 3 references, of which 2 are USSR.

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VOYTINSKAYA, A.

Encaustic painting techniques. IUn.tekh. 4 no.6:31-33 Je '60.
(MIRA 13:9)

(Encaustic painting)

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